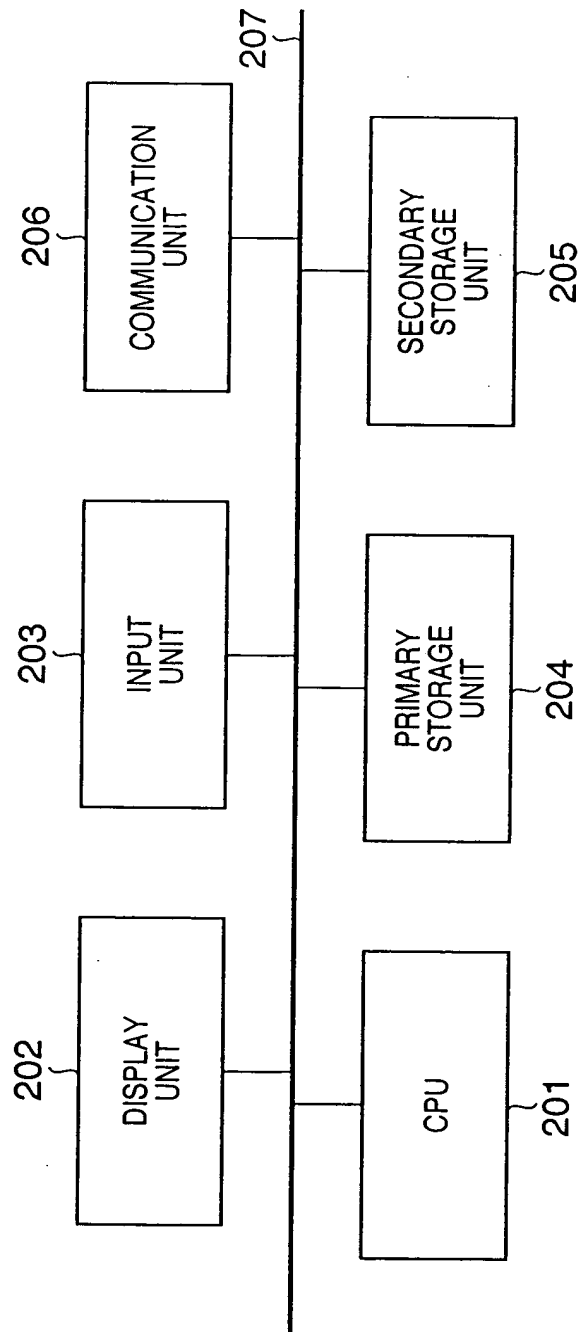


FIG. 1



# FIG. 2

207

PRIMARY STORAGE UNIT (RAM/ROM)		SECONDARY STORAGE UNIT (DISK, CD etc)	
DATA STORAGE AREA		DATA STORAGE AREA	~205
x(STATUS VARIABLE VECTOR)	~204	VARIOUS INITIAL VALUES	~215a
f(DESIGN VARIABLE VECTOR)	~214	VARIOUS CONDITIONS	~215b
L <sub>1</sub> (STATUS VARIABLE VECTOR EVALUATION FUNCTION)	~214a	DUAL OPTIMAL SOLUTION PROBLEM DATABASE	~215c
L <sub>2</sub> (DESIGN VARIABLE VECTOR EVALUATION FUNCTION)	~214b		
B <sub>1</sub> (STATUS VARIABLE BOUNDARY CONDITION)	~214c		
W <sub>0</sub> (DESIGN VARIABLE WEIGHT CONDITION)	~214d	PROGRAM STORAGE AREA	~225
X <sup>(0)</sup> , f <sup>(0)</sup> (INITIAL VALUE)	~214e	OPTIMALITY CRITERIA MODULE	~225a
$\lambda$ (LAGRANGE'S UNDETERMINED CONSTANT)	~214f	SEQUENTIAL CONVEX FUNCTION APPROXIMATE MODULE	~225b
A(ELEMENT STIFFNESS MATRIX)	~214g	SEQUENTIAL LINEAR PROGRAMMING MODULE	~225c
k(ITERATIVE NUMBER OF DESIGN VARIABLE CHANGES)	~214h	OTHER DESIGN VARIABLE MODULES	~225d
C(SENSITIVITY COEFFICIENT)	~214i	CONJUGATE RESIDUAL MODULE	~225e
r(RESIDUAL VECTOR)	~214j	GCR MODULE	~225f
p(SEARCH DIRECTION VECTOR)	~214k	GCR(k) MODULE	~225g
r <sup>(0)</sup> , p <sup>(0)</sup> (INITIAL VALUE)	~214m	Orthomin(k) MODULE	~225h
r(ITERATIVE NUMBER OF STATUS VARIABLE CHANGES)	~214n	GMRES(k) MODULE	~225i
b(NODAL FORCE VECTOR)	~214p	OTHER STATUS VARIABLE MODULES	~225j
OTHERS	~214q		
	~214r		
	~214s		
PROGRAM STORAGE AREA	~224		

FIG. 3

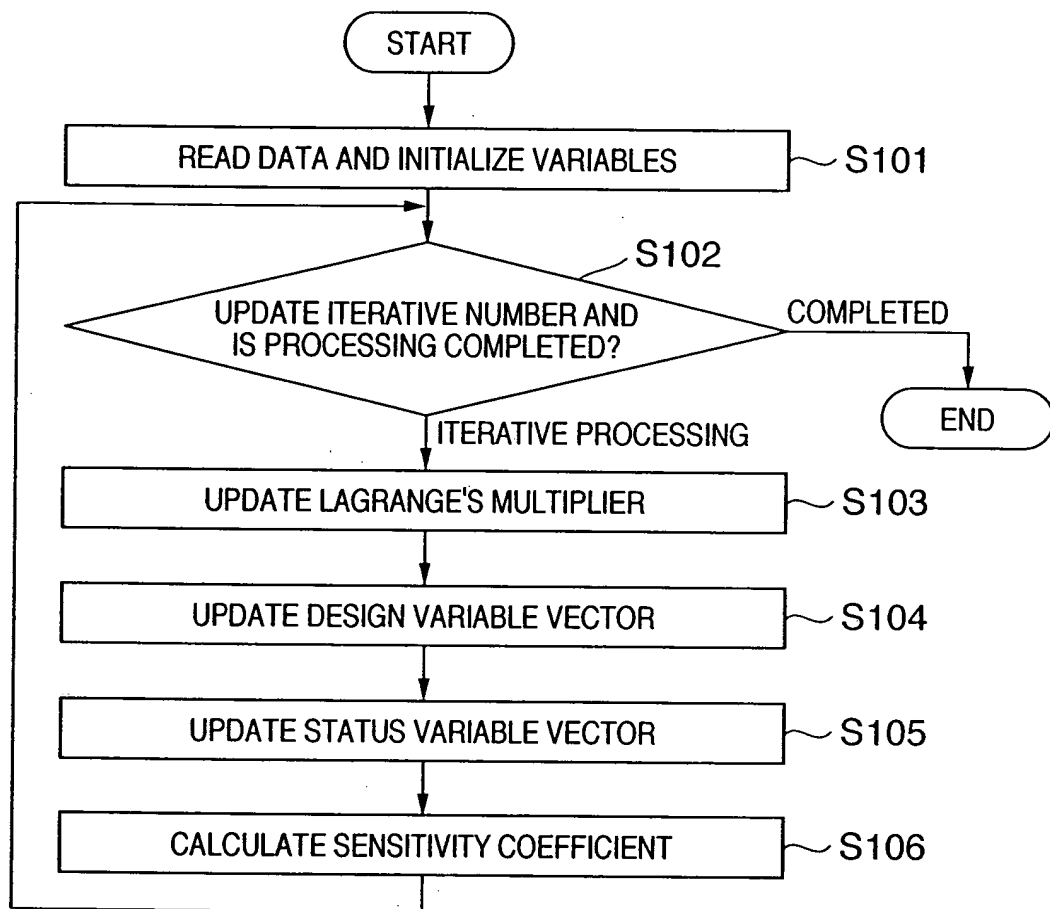


FIG. 4

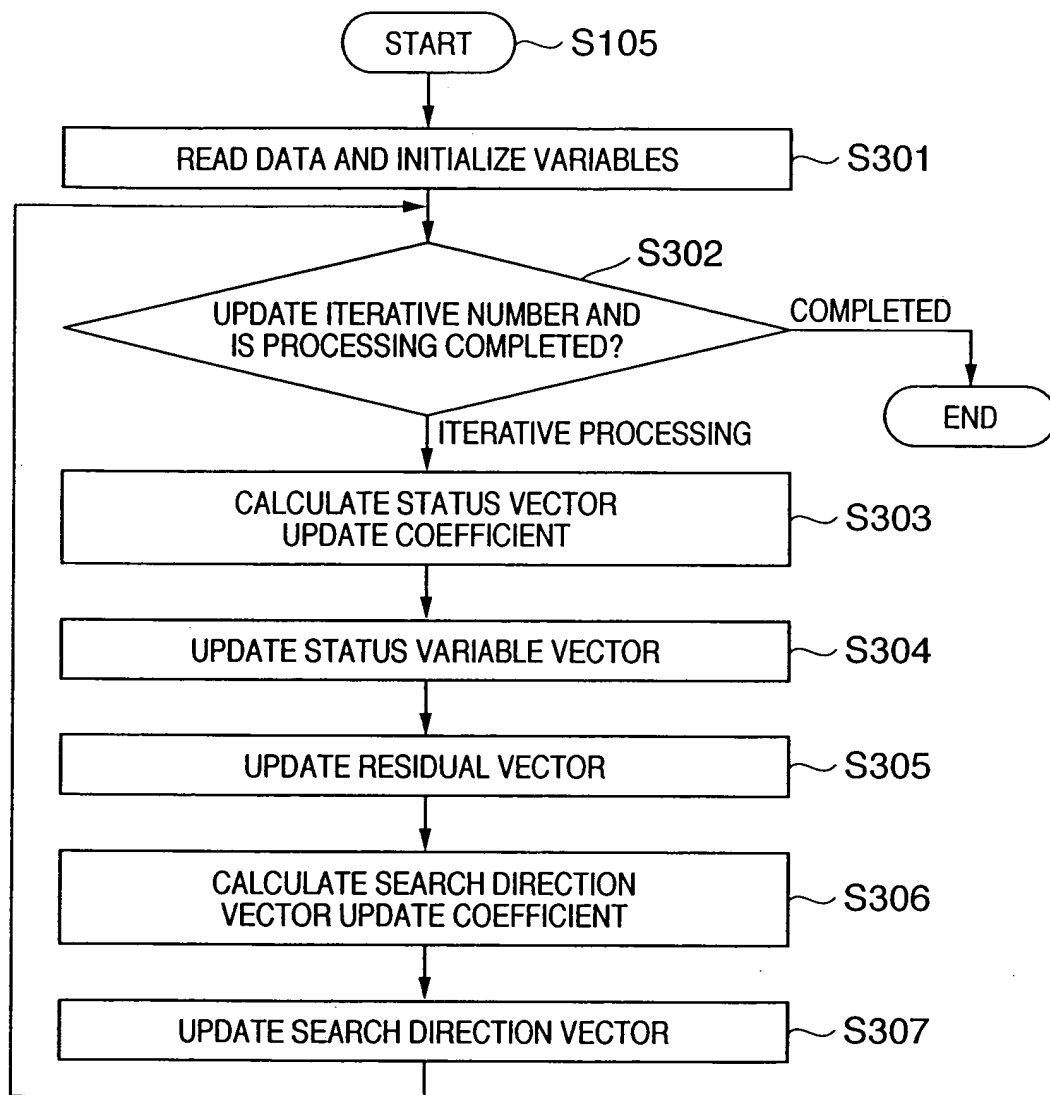
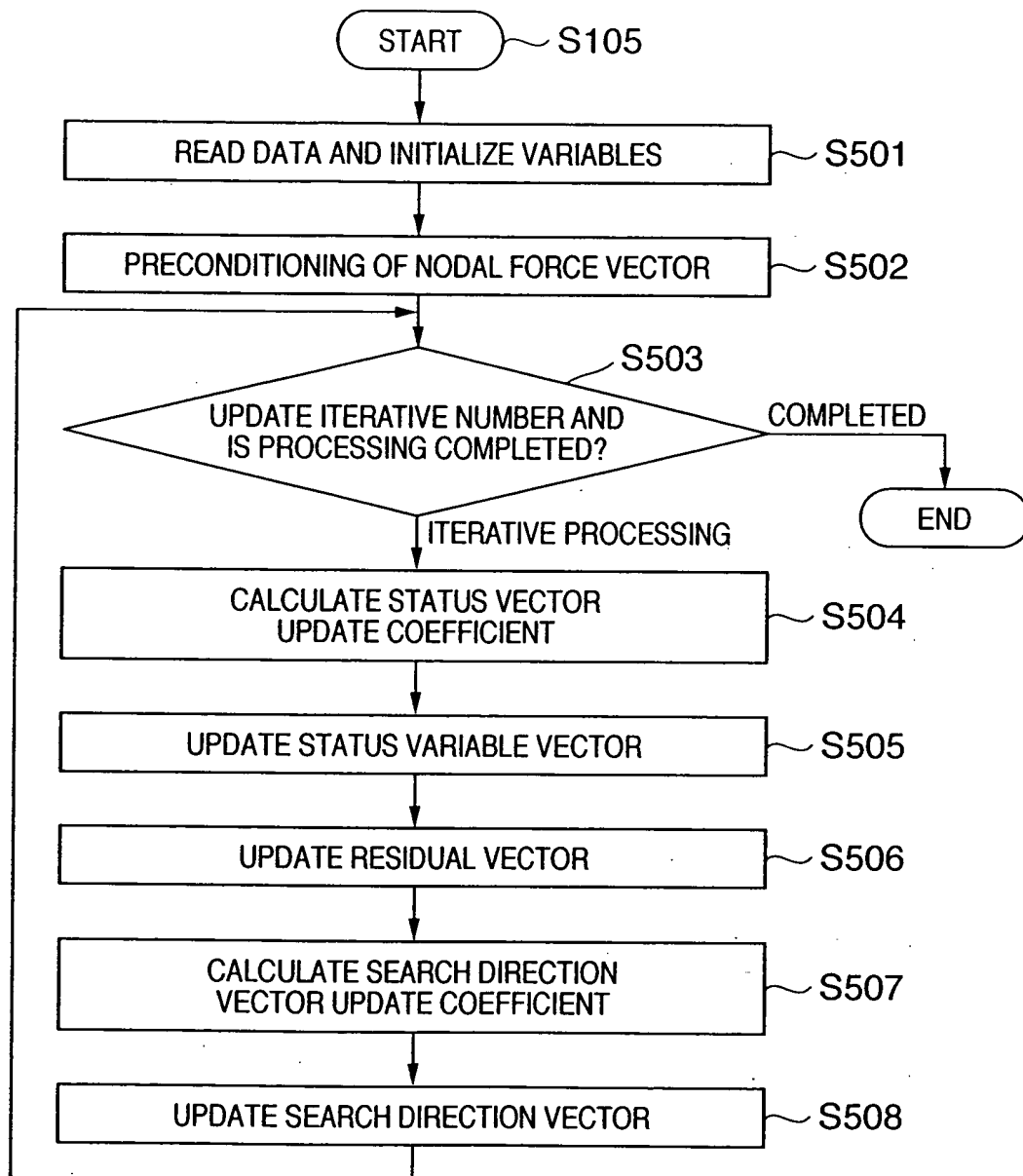
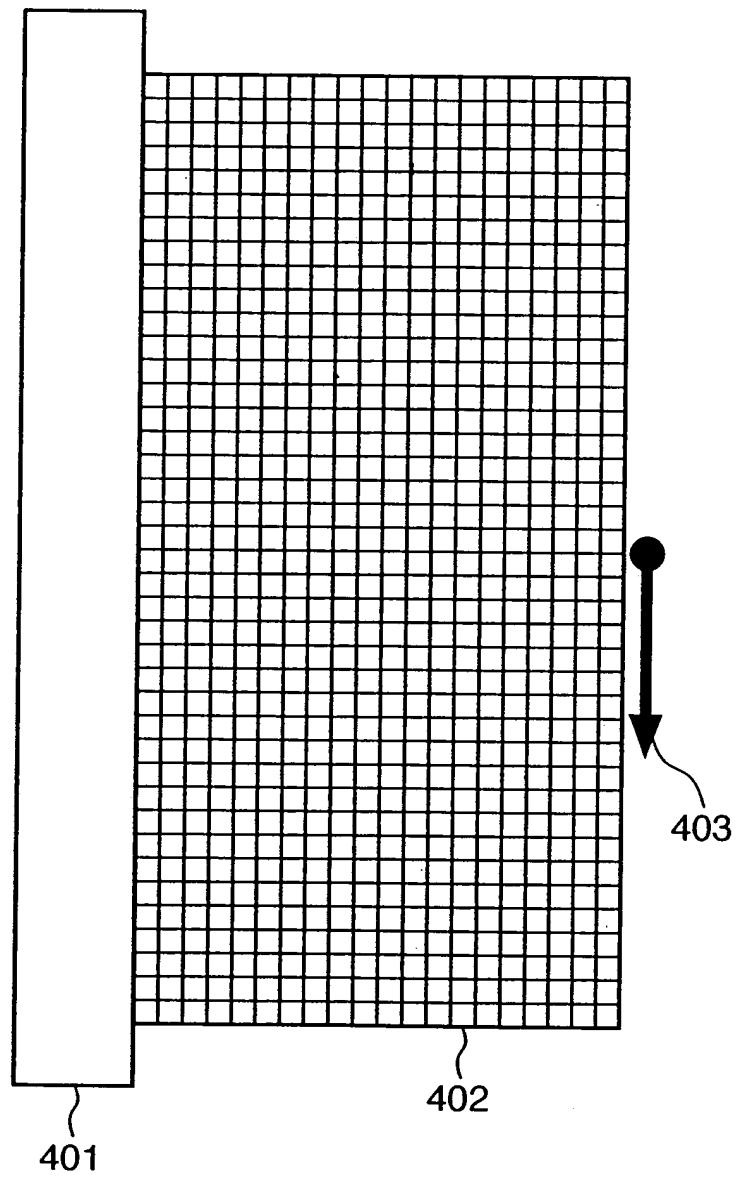


FIG. 5



**FIG. 6**

**FIG. 7**